

We claim:-

1. Luster pigments having pronounced sparkle which are based on aluminum platelets which have been coated with iron oxide and have in the precoated state an average platelet size from 8 to 30  $\mu\text{m}$ , an average platelet thickness from 300 to 600 nm and an aspect ratio from 15 to 70.
2. Luster pigments according to claim 1 that are based on aluminum platelets having an aspect ratio from 25 to 55.
3. Luster pigments according to claim 1 that are based on aluminum platelets having an average platelet size from 13 to 25  $\mu\text{m}$ , an average platelet thickness from 350 to 550 nm and an aspect ratio from 25 to 55.
4. Luster pigments according to claims 1 to 3 that comprise an iron oxide coating having a geometric layer thickness from 18 to 25 nm.
5. Luster pigments according to claims 1 to 3 that comprise an iron oxide coating having a geometric layer thickness from 30 to 40 nm.
6. Luster pigments according to claims 1 to 3 that comprise an iron oxide coating having a geometric layer thickness from 110 to 140 nm.
7. Luster pigments according to claims 1 to 6 that further comprise, directly on the aluminum platelets and/or on the iron oxide layer, a corrosion-inhibiting coating based on oxidic chromium, molybdenum, phosphorus, silicon, zirconium and/or aluminum compounds.
8. Use of luster pigments according to claims 1 to 7 for coloration of coatings, paints, printing inks, plastics, ceramic compositions and glazes and decorative cosmetic preparations.
9. Use of luster pigments according to claims 1 to 7 for coloration of one coat, two coat or multicoat metallics.
10. Use according to claim 8 or 9, wherein the luster pigments are employed in combination with other pigments from the group of effect pigments, fluorescent colorants, hiding and transparent chromatic, white and black pigments.